

SYNOPSIS OF AMERICAN VELLOZIACEAE

SUPPLEMENT III

Lyman B. Smith

Collections received from Dr. G. Pabst of the Herbarium Brade-
anum and Dr. J. Murça Pires of the Universidade de Brasília have
yielded further noteworthy Velloziaceae as follows:

6. *VELLOZIA SELLOVII* Seubert in Mart. Fl. Bras. 3, pt. 1:75.
1847, emend. L. B. Smith.

Short-caulescent, simple or few-branched; leaves 20-30 on each
branch, densely fasciculate; sheaths ovate, 10 mm. long, closely
and coarsely nerved, stramineous, lustrous, glabrous; blades
long-persistent, linear, attenuate to a minutely obtuse apex, 4
cm. long, 2 mm. wide, conduplicate or splitting and appearing
half as wide, laxly serrulate on the margins and beneath on the
keel; glabrous; scape solitary, 25-40 mm. long, very slender,
glabrous; ovary obconic or campanulate, 6 mm. long, smooth; te-
pals elliptic, obtuse, 18 mm. long, blue; stamens 6, 10 mm. long,
the filaments triangular-dilated at base, unappendaged. Fig. 1:
Plant; fig. 2: Tepal and stamen.

BRAZIL: Minas Gerais: Serra da Piedade, alt. 1800 m., March
27, 1957, E. Pereira 2677 & Pabst 3513 (HB, US).

It is a risky proceeding to emend a species without seeing its
type, but in this case my only alternative is to describe the
above material as new while being unable to separate it from the
description of *V. sellovii* Seubert. Furthermore, Sellow collect-
ed in the area from which this later material came, so that it
is not impossible that it is topotypic.

- 15b. *BARBACENIA IONANTHA* L. B. Smith, sp. nov.

A *B. irwiniana* L. B. Smith, cui valde affinis, omnibus parti-
bus minoribus, tepalis purpureis, filamentis antheras superanti-
bus differt. *B. brevifolia* Taub. in systema mea proxima sed sca-
pis valde brevioribus, antheris sinum filamentorum superantibus
differt.

Caudex incomplete in type but at least 15 mm. long; leaves nu-
merous, densely massed, their order not evident; sheaths ovate,
15 mm. long, very closely nerved, glabrous; blades linear, acumi-
nate, 4-7 cm. long, 5 mm. wide, closely nerved on both sides,
sparsely denticulate on keel and margins, otherwise smooth and
glabrous, strongly revolute; scape solitary, 7-9 cm. long, slen-
der, bearing black stipitate glands especially near the apex;
flowers purple (! Tórgo); perianth-tube 10 mm. long; ovary ellip-
soid, the costae about 20, covered with black stipitate glands;
epigynous tube infundibuliform, 4 mm. high; tepals suberect at
anthesis, lanceolate, acute, 11 mm. long, the outer narrower;
filaments 6 mm. long, the appendages joined to 1 mm. from their
apices; anthers linear, over 5 mm. long, slightly exceeding the

base of the filament-sinus; style exceeded by the anthers; stigmas linear, terminal. Fig. 3: Leaf-blade; fig. 4: Flower; fig. 5: Stamen (abaxial); fig. 6: Stamen (adaxial).

BRAZIL: Minas Gerais: Serra do Caparaó, near the two lakes, above the stone house, March 2, 1960, Flávia Tórgo 14 (HB, type).

21a. BARBACENIA INVOLUCRATA L. B. Smith, sp. nov.

B. fulva Goeth. & Henr. in systema mea proxima sed ab omnibus speciebus involucro magno haud foliaceo differt.

Caudex incomplete in the type but probably short; leaves numerous, densely rosulate; sheaths ca. 3 cm. wide, smooth, glabrous; blades very narrowly triangular, filiform-acuminate, to 27 cm. long, 10 mm. wide, subdensely antrorse-setose on the keel and margins, otherwise glabrous, closely nerved on both sides, recurved with age; scapes very short; flowers several in a terminal fascicle, each almost completely covered by an involucre of large scape-bracts; bracts elliptic, acute, enlarged in fruit to 11 cm. long, brown when dry, subchartaceous, glabrous; perianth-tube slenderly subclavate, to 75 mm. long, slightly constricted between the ovary and the 15 mm. long epigynous tube, covered with antrorse pyramidal-setose stramineous trichomes; tepals erect, oblong, acute, 28 mm. long; filaments quadrate with long lobes, 12 mm. long in all; anthers linear, 16 mm. long, about equaling the apex of the filament but extending well below its base. Fig. 7: Old flower and bracts; fig. 8: Tepal; fig. 9: Stamen (abaxial); fig. 10: Stamen (adaxial).

BRAZIL: Minas Gerais: Serra do Cipó, March 3, 1958, Heringer & Castellanos 5944 (US, type: Univ. Brasilia).

50a. BARBACENIA GRAMINIFOLIA L. B. Smith, sp. nov.

B. tomentosa Mart. in systema mea proxima sed scapo elatiore tubo epigyni tepalisque angustioribus differt. A B. oxytepala Goeth. & Henr., cui parum affinis, scapo altiore vestito, floribus minoribus differt.

Caudex incomplete in the type but probably short; leaves numerous, densely rosulate; sheaths broadly tubular-ovate, 2 cm. long, smooth, glabrous, stramineous; blades very narrowly triangular, filiform-acuminate, to 17 cm. long, 5 mm. wide, entire or nearly so, glabrous, closely nerved on both sides, recurved with age; scape terminal, solitary, very slender, glabrous toward base, toward apex subdensely vestite with fine crisp yellowish trichomes; perianth-tube very slenderly obconic or subcylindric, 40-50 mm. long, 5 mm. in diameter at apex, sparsely tomentose with scarcely glandular trichomes; epigynous tube 25-30 mm. long; tepals erect, oblong, broadly acute and apiculate, 17 mm. long; filaments triangular with short acute lobes, 2.5 mm. long in all; anthers linear, 11 mm. long. Fig. 11: Section of leaf-blade; fig. 12: Flower; fig. 13: Tepal; fig. 14: Stamen (adaxial).

BRAZIL: Minas Gerais: Serra do Cipó, March 3, 1958, Heringer & Castellanos 5950 (Univ. Brasilia, type).

American Velloziaceae

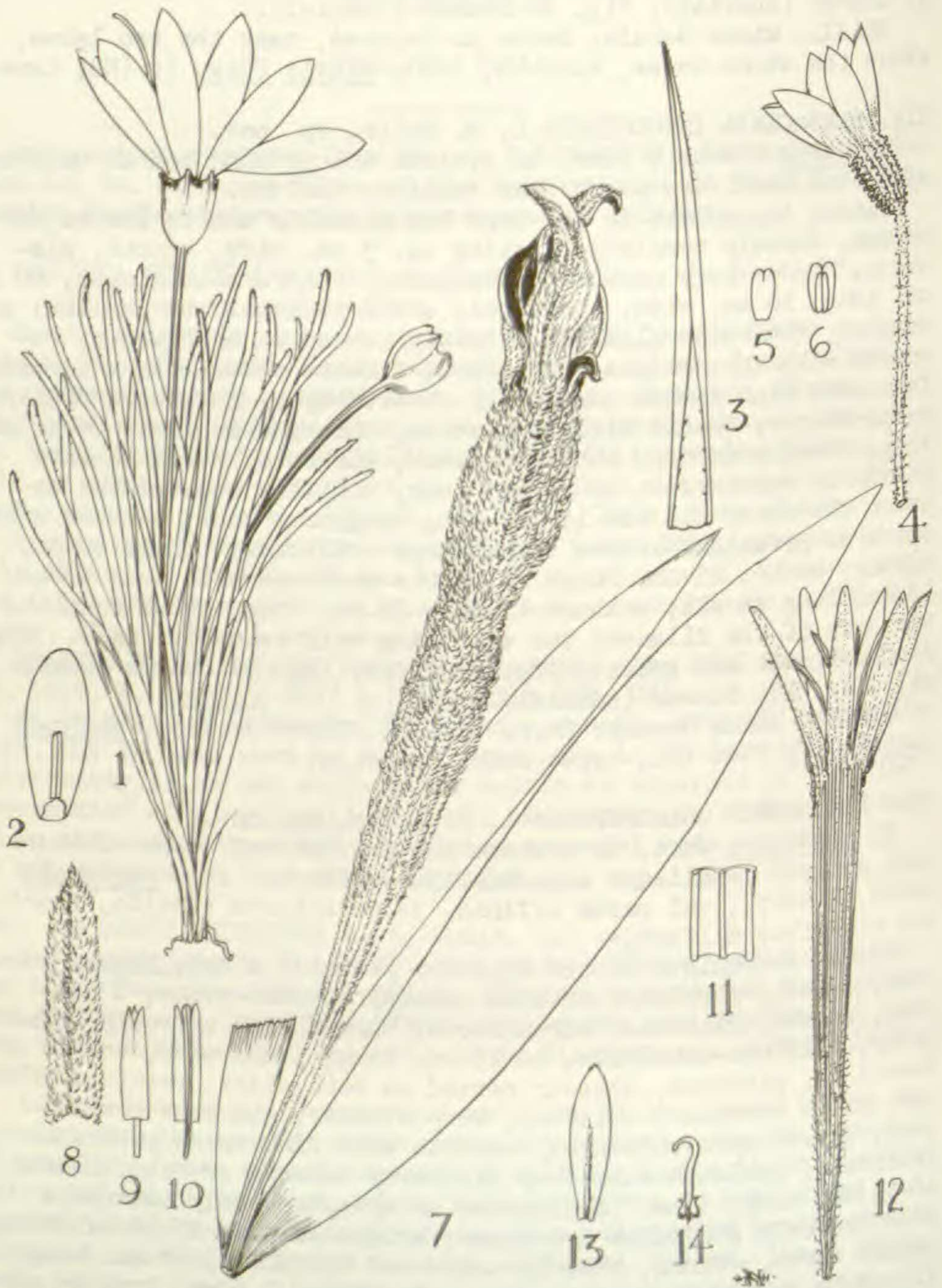


Fig. 1, 2: *Vellozia sellovii*; fig. 3-6: *Barbacenia ionantha*; fig. 8-10: *B. involucrata*; fig. 11-14: *B. graminifolia*.